



Faculty of Health, Science and Technology
Biology

Syllabus

Floristics and faunistics

Course Code:

BIG001

Course Title:

Floristics and faunistics

Floristik och faunistik

Credits:

15

Degree Level:

Undergraduate level

Progressive

First cycle, has only upper-secondary level entry

Specialisation:

requirements (G1N)

Major Field of Study:

BIA (Biology)

Course Approval

The syllabus was approved by the Faculty of Health, Science and Technology 2019-02-13, and is valid from the Autumn semester 2019 at Karlstad University.

Prerequisites

General admission requirements

Learning Outcomes

Upon completion of the course, students should be able to:

- without aids identify Nordic vascular plants, mosses, and lichens, as well as animals
- use identification keys to determine common vascular plants and animals and animal groups in the Nordic flora and fauna,
- use biological terms to describe the structure of plants and animals,
- describe important characteristics of some common Nordic plant families and animal groups,
- describe and compare different plant communities and habitats, and adaptations among Nordic animals

and animal groups,

- sample and make preparations of invertebrates, and
- conduct a simple inventory of mosses and lichens and present it in writing.

Content

The course deals with different types of identification guides, and techniques for excursion, collection, preparation, and inventory, as well as identification exercises. Teaching is in the form of lessons, laboratory exercises, field excursions, identification and inventory exercises, during which the design of identification keys, botanical and zoological terms are treated. Some plant families and the most abundant animal groups as well as a selection of representative species and groups are introduced.

The course involves field work during short excursions in the university vicinity. In floristics, the most common vascular plants, mosses, and lichens are presented in their various environments as well as characteristic species of different plant communities and indicator species for identification of plant communities. In faunistics, the basics are covered through working with collected materials and later moving on to field identification in natural habitats.

In addition to field excursions, students learn about species and groups through digital quizzes. Students develop their ability to write reports on research results through inventory and sampling exercises and deepen their knowledge of different plant and animal species and communities, biological diversity, and the ecological demands of species.

Reading List

See separate document.

Examination

Assessment of learning outcomes in floristics is based on an individual written report on an inventory and individual species and group identifications without aids.

Assessment of learning outcomes in faunistics is based on individual report on the sampling and preparation of bugs and on individual species and group identification without aids.

Grades

One of the grades Distinction (VG), Pass (G), or Fail (U) is awarded for the course.

Quality Assurance

Follow-up relating to learning conditions and goal-fulfilment takes place both during and upon completion of the course in order to ensure continuous improvement. Course evaluation is partly based on student views and experiences obtained in accordance with current regulations and partly on other data and documentation. Students will be informed of the result of the evaluation and of any measures to be taken.

Course Certificate

A course certificate will be provided upon request.

Additional information

The local regulations for studies at the Bachelor and Master levels at Karlstad University stipulate the obligations and rights of students and staff.

Field excursions can entail extra cost for students.